

Re: can somebody verify this C program which calls dsaupd\_ ? (longish)

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*Source:* <http://sci.tech-archive.net/Archive/sci.math.num-analysis/2005-04/msg00043.html>

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- *From:* Madhusudan Singh <[spammers-go-here@xxxxxxxxxxxxxx](mailto:spammers-go-here@xxxxxxxxxxxxxx)>
  - *Date:* Sun, 03 Apr 2005 03:10:14 -0400
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H. S. wrote:

> Apparently, \_Madhusudan Singh\_, on 02/04/05 19:05, typed:  
>> H. S. wrote:  
>>  
>>  
>>>(terribly sorry for this long post which includes my two source files,  
>>>but I couldn't find out how put the files online using my Yahoo account)  
>>  
>>  
>> The problem is not with the length of your post but with the relevance to  
>> the newsgroup.  
>  
> Since I was requesting somebody who already has the FORTRAN libraries  
> installed and works with them to test if the program does call dsaupd\_  
> properly without getting info=-9999 as error, I do not see how the post  
> is NOT relevant to FORTRAN language newsgroup.

First, FORTRAN refers to the language upto and including f77. This newsgroup discusses all aspects of Fortran, including FORTRAN.

More importantly, if your libraries compiled correctly, they were fine. The problem would then lie in the C code. And that is not (please do not use caps - use \* \* instead to emphasize) relevant to a Fortran newsgroup.

ARPACK library comes with a very well documented Makefile, which has been tested by hundreds (if not thousands) of people (including myself). Its illogical to assume that a untested / not adequately tested C wrapper is ok, but the Makefiles are not.

It could be true, but it certainly would not be the first thing to suspect.

>  
>  
>> Please cross-post your question to comp.lang.c instead since your code is  
>> in C, not Fortran.  
>  
> But the code to be tested is the calling of FORTRAN libs and return of

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- > those libs. As I already made quite clear, I just want to test the
- > FORTRAN part, not the C part. So if someone can run the C program

Read above.

- > against their ARPACK and BLAS libraries and can reply Yes or No to the
- > question whether they get expected values, the experiment is complete. C
- > does not come into play (except the compilation part). If the somebody
- > does get the expected results correctly, then I have a problem with my
- > FORTRAN libs. If not, then there probably is something wrong with the C
- > code. The latter is the next topic of discussion, not the current one.

If you used the Makefile included in the 1